

QC8- Inspect parts - second check

2

11.9.13

Memo

0.00

Quality Control

0

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W/O:			WORK ORDER	CHANGES	·	****		
DATE	STEP	PRO	PROCEDURE CHANGE			ite Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
Part No):	PAR #:	Fault Category:	NCR:	Yes No	DQA:	Date: _	
	Resolution	n:	Disposition:	QA: N	/C Closed	d:	Date: _	-

NCR:			DER NON-CONFORMANCI	E (NCR)				
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	ATE STEP Description of NC Section A		Initial Chief EngAction Description Chief EngSign Date		Sign & Date	Section C	Chief Eng	QC inspector
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Tuesday, August 23, 2011 3:33:13 PM



Item ID:

D3391-025

Accept



Setup Start

Stop



Revision ID:

Item Name:

Aft Tube Assembly

Start Date: 8/23/2011

Start Qty: 1.00

Required Date: 9/9/2011 Req'd Qty: 1.00



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Tooling:

0.00

Run Date:

Accept

Qty

Tool # Plan

Code

Stop

Start



QC: Date:

SPC (Y/N):

Set Up/

Run Hours

Date: ____

Reject

Qty

1

Insp.

Stamp

Reject

Number

Sequence ID/ Work Center ID

120

HAAS 1

HAAS CNC vertical machine #1

Operation

Description

HAAS CNC VERTICAL MACHINING #1

Memo

2-Deburr

and ulogly 0.00

1-Machine as per Folio FA 599 Rev: 4 & Dwg D3391 Rev: #

130

Quality Control

QC2- Inspect parts off machine FAI/FAIB

0.00

and 11/09/14

Memo

0.00

140

QC

Quality Control

OC8- Inspect parts - second check

0.00

JL 11-09-19

Memo

0.00

Dart Aerospac	е	Ltd
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W/O:		WORK ORDER CHANGES				1
DATE	STEP	PROCEDURE CHANGE By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution: _		Disposition:	QA: N/C Closed:	Date:

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
	T	Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Tuesday, August 23, 2011 3:33:13 PM

Item ID:

D3391-025

Accept



Setup Start



Revision ID:

Item Name:

Aft Tube Assembly

Start Date:

8/23/2011

Start Oty: 1.00

Required Date: 9/9/2011

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID**

150

Skidtubes

Skidtubes

Operation Description

Skidtubes

Set Up/ **Run Hours**

0.00

0.00

Memo

1-Drill (PILOT HOLE) aft cap holes per Dwg D3391 using DT8803

Tool ID

Tool # Plan Code

Accept Otv

Reject Qty

Reject Number

Insp. Stamp

160

CNC Bend 1

CNC Delta 100 Bender

0.00

BENDING MACHINE - SKIDTUBES

Memo

0.00

Form as per Dwg D3391 Using Bend Prog 3391025

SAD 17-10-12 (1

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

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W/O:		WORK ORDER CHA	ANGES			3	* •••
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Part No:		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed	l <u>-</u>	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
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Work Order ID 73013

Tuesday, August 23, 2011 3:33:13 PM

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Item ID:

D3391-025

Accept



Setup Start

Stop



Revision ID:

Item Name: **Start Date:**

Aft Tube Assembly

8/23/2011 Start Otv: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Required Date: 9/9/2011

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC: Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID**

180

Skidtubes Skidtubes. Operation Description Set Up/ **Run Hours** Tool ID

Plan Tool# Code

Accept Qty

Reject **Qty**

Reject Number

Insp. Stamp

Skidtubes

Memo

0.00

0.00

1-Open Aft cap pilot hole to .208" as per Dwg D3391

2-Drill float bag holes using DT8809 as per Dwg D3391(Holes marked "A" Only.

3-Drill wearplate holes as per Dwg D3391 using DT8878(Mid Tube) & DT8217 Wearplate Jig .

*****Do Not Open To Finished Size****

4-Drill Wearshoe holes as per DWG D3391 using DT8939 locating from 2 previously drilled aft wearplate holes.

5-Open wearplate holes to 0.250" and c'bore as per dwg D3391

6-Open up all wearshoe, wearplate to 0.297" and float bag holes to 0.328" as per Dwg D3391.

7-Deburr

W/O:		WORK ORDER CHANGES								
DATE	STEP		PROCEDI	JRE CHANGE		Ву	Date	Qty:	Approval Chief Eng / ` Prod Mgr	Approval QC Inspector
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Part No:		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed	l:	Date:

NCR:		W	ORK OR	DER NON-CONFORMANC	E (NCR)			
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Work Order ID 73013

Tuesday, August 23, 2011 3:33:13 PM

Item ID:

D3391-025

1

Revision ID: Item Name:

Aft Tube Assembly

Start Date:

Required Date: 9/9/2011

8/23/2011

QC:

Start Qty: 1.00 Req'd Qty: 1.00



Date:

Accept

Setup Start



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: _____ Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start



Stop

Sequence ID/ Work Center ID

QC

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

200

HandFinish Hand Finishing Memo

Chemical Conversion Coat per QSI005 4.1

0.00

0.00

11-11-02

210

QC

Quality Control

QC3- Inspect Part Finish

0.00

Memo

0.00

W/O:		WORK ORDER CHA	WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	By Date		Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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Part No: _	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:	Disposition:	QA: N/C Closed:	Date:
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		Description of NC		Corrective Action Section I	3	Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Page 6

Tuesday, August 23, 2011 3:33:13 PM

Item ID:

D3391-025

Accept

Date:

Date:

Tool#

Plan

Code

Setup Start

Stop



Revision ID:

Item Name:

Aft Tube Assembly

Start Date:

Required Date: 9/9/2011

8/23/2011

Start Otv: 1.00

Req'd Qty: 1.00



Date:

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Tooling: SPC (Y/N):

Set Up/

0.00

0.00

0.00

0.00

Run Hours

Sequence ID/

Work Center ID

Skidtubes

220

Skidtubes

Skidtubes

Operation

Description

Memo Instal spacers as per dwg D3391

A/R Magnabond 6398 Batch: 117870

exp. date: 12-02-30

cure time 12hrs as per QSI0015

230

QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

Pressure Wash per QSI005 4.3

Memo

0.00

0.00

HandFinish Hand Finishing

235

AND REALODINE AS PER PAR09-043

Run

Start

Stop

Accept Oty

Reject Otv

Reject Number

Insp. Stamp

W/O:	WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No:	_ PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
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Tuesday, August 23, 2011 3:33:13 PM

Item ID:

D3391-025

Accept

Setup Start



Stop



Revision ID:

Item Name:

Required Date: 9/9/2011

Aft Tube Assembly

Start Date:

8/23/2011

Start Qty: 1.00

Operation

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ Work Center ID

Description White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum Set Up/ **Run Hours** Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp. Stamp Number

240

Powdercoat

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE: FINISH TIME:

0.00

250

QC3- Inspect Part Finish

0.00



Quality Control

Memo

0.00



Hand Finishing

HandFinishing

0.00

0.00

Memo

/ Install inserts as per Dwg D3391 2-Install Aft Cap as per Dwg D3391

A/R Sikaflex-241/-291 1/11/14/13 Sikaflex expiry date:

W/O:			WC	ORK ORDER CHANGE	S				
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									
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Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA	:	Date:	
Resolution:			Dispositio	າ:	QA: N/C CI	osed:		Date: _	
NCR:		V	WORK ORDI	ER NON-CONFORMAN	ICE (NCF	(1)			
DATE	STEP	Description of NC		Corrective Action Section B			ation	Approval	Approval
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Work Order ID 73013

Tuesday, August 23, 2011 3:33:13 PM



Page 8

Item ID:

D3391-025

Accept

Setup Start

Stop



Revision ID:

Item Name:

Aft Tube Assembly

Start Date:

8/23/2011

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Operation

Description

Date:

Tooling:

Date:

Start Run



Required Date: 9/9/2011

Date: _____

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID**

270

QC

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours**

Plan Tool #

Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Quality Control

Memo

280

Packaging Packaging

Identify as per dwg & Stock Location:

Memo

0.00

0.00

290

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			V	WORK ORDER CHANGES								
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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Part No	:	PAR #:	Fault Cat	egory:	NCR: Yes	No DQ	A:	Date: _				
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DATE	STEP	Description of NC		Corrective Action Section		Verification						
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								1				

Picklist Print

Tuesday, August 23, 2011 3:33:17 PM

Work Order ID: 73013

D3391-025 Parent Item:

Parent Item Name: Aft Tube Assembly



Start Date: 8/23/2011

Start Qty: 1.00

Required Date: 9/9/2011

Page 1

Required Qty: 1.00

Comments:

IPP Rev B 06-02-07

ECN773 dwg rev. D EC Update Manuf. Instructions JLM [1][]

06-03-28 IPP Rev:C IPP rev D

07.03.20

revF dwg

EC

IPP rev E 07.11.07 IPP Rev:F 07-11-13

rev G dwg ecn 1053p EC verified by: DD ECN 1056

DD verified by: EC

IPP Rev:G 08-09-10 revH as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty	Qty Issued	Date Issued	Status
D6014-090 ALUMINUM EXTRUSION		Manufactured	No			100	Each	33.0000	1	1			
				<u>Location</u> LG	56572 56179	<u>Loc</u>	Oty 33 1 32	Loc Code			- . MM	n. b 1	1/08/31
D3670-4-200		Manufactured	No	`	•	230	Each	152.0000	4 	4	•		

SPACER

Location	Loc Oty	Loc Code
LG	56	-
70822	14	
71850	42	
LG001	96	
72851	96	



W/O:	1	WORK ORDER CHANGES				-	
DATE	STEP PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
ı							
Daw No	_				\ <u>-</u>		

Part No:PA	AR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:	R: WORK ORDER NON-CONFORMANCE (NCR)							
DATE STEP		Description of NC		Corrective Action Section B	Varification			
DAIL	STEP	Section A	Initial Chief Eng			Verification Section C	Approval Chief Eng	Approval QC Inspector
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		•						
		•						
110== =					1			

Tuesday, August 23, 2011 3:33:17 PM

Work Order ID: 73013

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



Start Date: 8/23/2011

Start Qty: 1.00

Required Date: 9/9/2011

Required Qty: 1.00

D2646

Manufactured

270

Each

96.0000

11/109

Aft Cap

Location	Loc Qty	Loc Code	
FP004	49		
68280	49	B73294	X (
FP006	5		
62678	5		
FP-4	38		
70945	1		
71070	37		
fp5	4		
71038	4		

D3537-1

Wearpad

Manufactured

270

Each

10

10

Loc Qty

17.0000

Loc Code

ululoq

Manufactured No

Location

FP001

FP017

2 270 Each 1374436

B71689 (x1) M ululos

Wearpad

D3553-1

D3537-7

Manufactured No

69530

69817 70686

> 270 Each

4.0000

0.0000

Gasket

<u>Location</u>	Loc Qty	Loc Code
FP013	4	
56568	4	13731

7318F

W/O:			WORK ORDER	CHANGES					
DATE	STEP	PR	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•						
Part No		PAR #:	Fault Category:	NCI	R: Yes	No DQ	A:	Date: _	
	Resolution:		Disposition:	QA	N/C C	losed:		Date: _	
			14054 0555						

NCR: WORK ORDER NON-CONFORMANCE (NO								
DATE	CTED	Description of NC		Corrective Action Section E	3	Verification	Approval Chief Eng	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Approval QC Inspector
 								
	ata P initial a							

Tuesday, August 23, 2011 3:33:18 PM

Work Order ID: 73013

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



Start Date: 8/23/2011

Required Date: 9/9/2011

Start Qty: 1.00

Required Qty: 1.00

D3553-3



Manufactured No 270

Each

28.0000

Loc Code

Gasket

Manufactured No Location Loc Qty FP 20 31631 20 FP013 53480 270

1,186.000 Each

Phenolic Washer

D3672-1

<u>Location</u>	Loc Qty	Loc Code
Botation	Euc Qty	<u> Doc Couc</u>
ST074	1184	
64177	188	
66821	496	
72229	500	
ST077	2	
52505	2	

2 260 Each 1,559.000 ululog

ALS4-1032-130

Purchased

No

14

Insert

Location	Loc Qty	Loc Code
ST281	370	
118386	370	
ST282	1189	•
117717	54	
118237	879	
118312	256	

Х	١	4	

DATE STEP PROCEDURE CHANGE By Date Qty Approval Chief Eng/Prod Mgr Part No:	Approva QC Inspecto
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
DATE STEP Description of NC Corrective Action Section B Verification Approved	
DATE STEP Description of NC Section A Section B Sign & Chief Eng C	Approval QC Inspector

Tuesday, August 23, 2011 3:33:18 PM

Work Order ID: 73013

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



Start Date: 8/23/2011

Required Date: 9/9/2011

Start Qty: 1.00

Required Qty: 1.00

Each

270

931.0000

Loc Code

12

H 4/1/09

ALS4-1032-225 Purchased

Insert

Purchased

No

No

Location ST282 110768 117717 118386

270

Loc Qty 931 62 9 860 Each

2,261.000

M118696

BOLT

AN3C4A

Loc Qty
2261
2
36
1
22
20
40
1000
1140

Loc Code

M 118706

W/O:			WORK ORDER (CHANGES				• •
DATE	STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Category:	NCR: Yes	No DQ	A:	Date:	1
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NCR:			WORK ORDI	ER NON-CONFORMANO	CE (NCR)	W		
DATE	CTED	Description of NC		Corrective Action Section B		\\\ - \\\\ - \\\\ - \\\\ - \\\\ - \\\\ - \\\\\ - \\\\\ - \\\\\\		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto
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Tuesday, August 23, 2011 3:33:18 PM

Work Order ID: 73013

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



Start Date: 8/23/2011

Required Date: 9/9/2011

Start Qty: 1.00

Required Qty: 1.00

AN3C5A

Purchased No 270

Each

Loc Oty

1,285.000

Loc Code

Bolt	

Location
FP-A
ST350

115835	
116419	
116549	
117343	
117764	
117872	
118451	
	27

	7	
	7	
	1278	
	28	
	42	
	474	
	222	
	12	
	500	
270	Each	0.0000



AN960C10L



Purchased

No

M118354



washer

W/O:		WORK ORDER CHANG	WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No.									

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
F	Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC	Corrective Action Section B			Verification		
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
\								
·								

DART AEROSPACE LTD	Work Order:	730/3
		1001
Description: Float Skidtube (412)	Part Number:	D3391-3
Inspection Dwg: D3391 Rev: H %		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
		La	the Section	n		L ,
14.000	+/-0.010	141.00			tape	anon, 1 -02
3.500	+/-0.010	3.500			vern	CWC-08
88.93	+/-0.030	88.93			tape	man. L - 01
Ø3.200	+/-0.010	3.202	(/		mirc	cw C-05
88.93	+/-0.030	88,93			tape	man L-07
Ø3.750	+/-0.010	83,750	1		vern	enero8
30° x 160" chamfer	+/-0.010	30×160	V		17)	-0000
s						

Mea	asured by: may	ni		Date: ///08/3/
A	udited by:	>		Date: 11-9-13
		HA	AS Section	
1.526	+0.000/-0.030	1.503		Vern 11-06
7.500	+/-0.010	7 5700		120. 0 121.02

HAAS Section								
1.526	+0.000/-0.030	1.503		Ven M-06				
7.500	+/-0.010	7,500		Vegn CD1-00				
27.750	+/-0.010	27.750		M-tape ML-OY				
31.750	+/-0.010	31.750		11				
35.250	+/-0.010	35.250	_	10				
3.300	+/-0.010	3.300	_	Ven M-66				
0.200	+/-0.010	.200		11.				
3.520	+/-0.010	3.527		; (
0.687	+0.010/-0.000	.687		"				
R0.062	+/-0.010	R.062		R-L				
Ø0.484	+0.005/-0.001	15.484		Vem 71-06				

Measured by: Date: 1/09/14

Audited by: Date: 1/09/14

Rev	Date	Change	Revised by	Approved
A	06.04.24	New Issue P/O D3391-015/-025	KJ/JLM	
В	06.06.19	Dwg revision update	KJ/JLM	
С	07.04.20	Ø0.208 dimension removed	KJ/JLM	
D	07.09.06	0.400 dimension removed	KJ/JLM	
E	07.11.23	Dwg Rev. updated	KJ/EC/DD	
F	09.04.27	Dimensions updated per Rev H and NCR09-028	KJ/JLM *	
G	09.11.16	Dimension 0.200 removed	KI	2/1
Н	11.06.21	Dimension 44.995 removed	KJ KJ	
•		W ₁	- 	

Dart	Aeros	pace	Ltd
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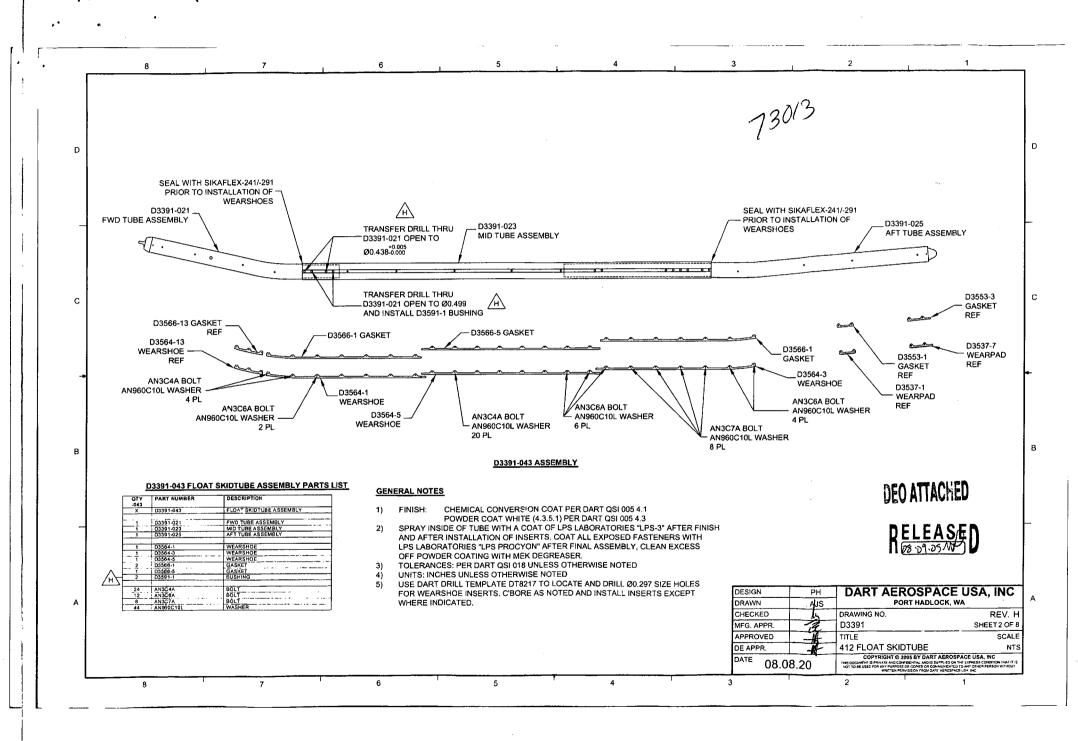
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D	ATE					Date	Qty	Approval Chief Eng / Prod Mgr	Approvai
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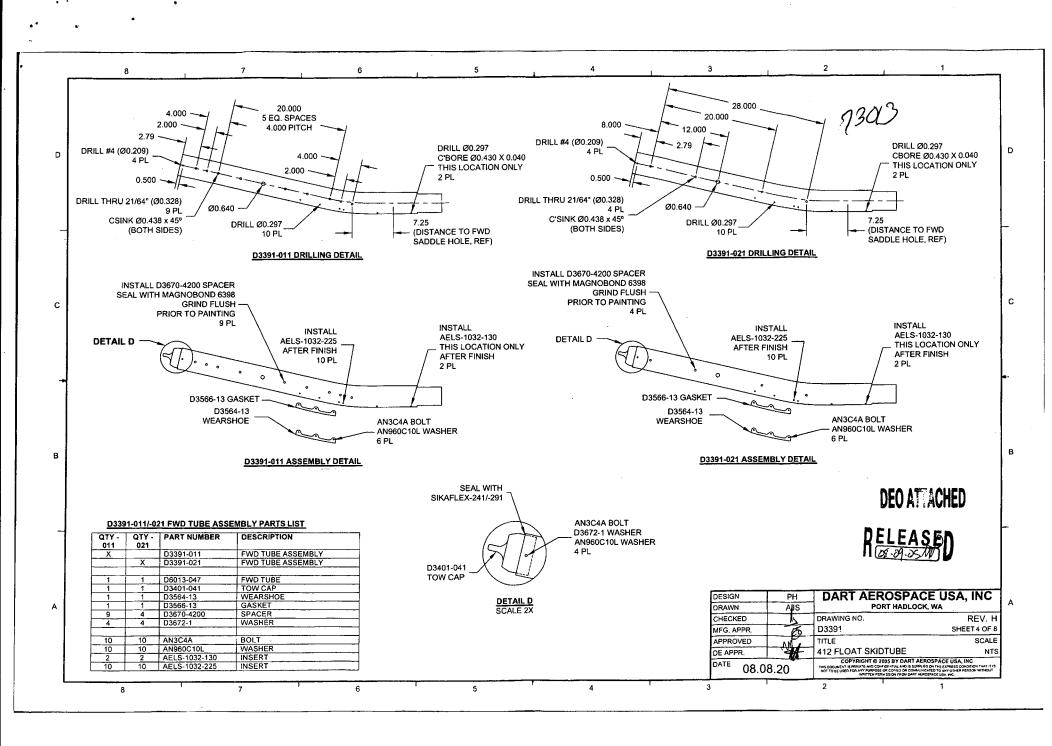
Part No:	PAR #: _	Fault Category:	NCR: Yes No DQA:	Date:
A STATE OF THE STA	Resolution:	Disposition:	QA: N/C Closed:	Date:

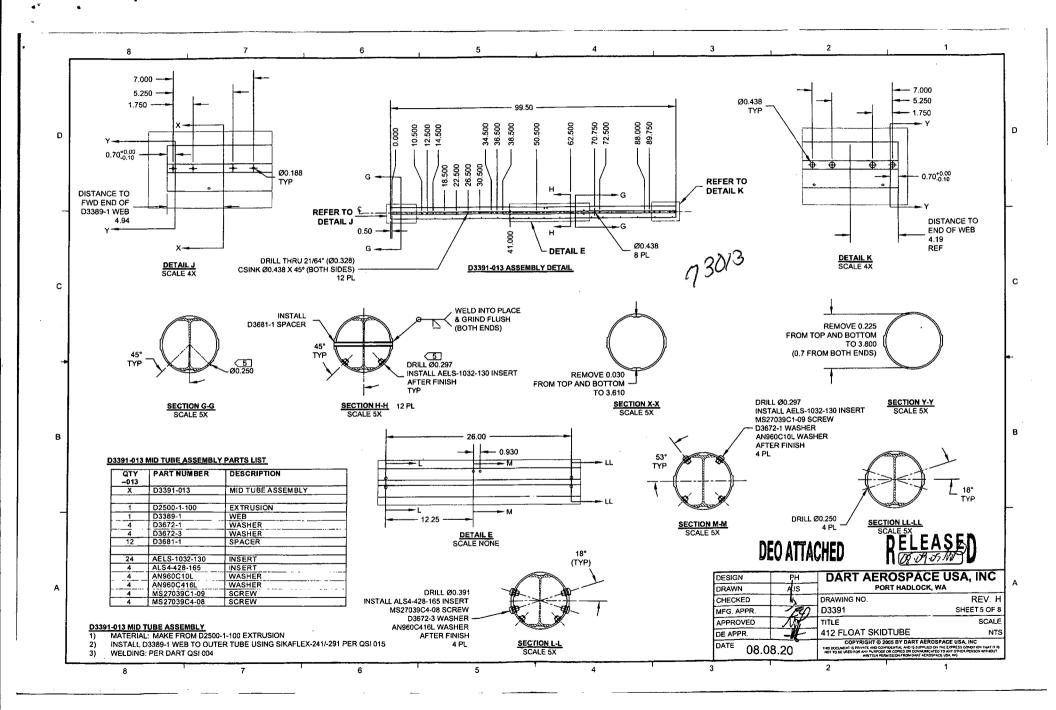
NCR:		W	ORK OR	DER NON-CONFORMANCE	E (NCR)		-	
DATE	DATE STEP Description of NC		, /	Corrective Action Section B			· _	
	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC inspector
					1- 10		j. •	is the plant
			No.		•			

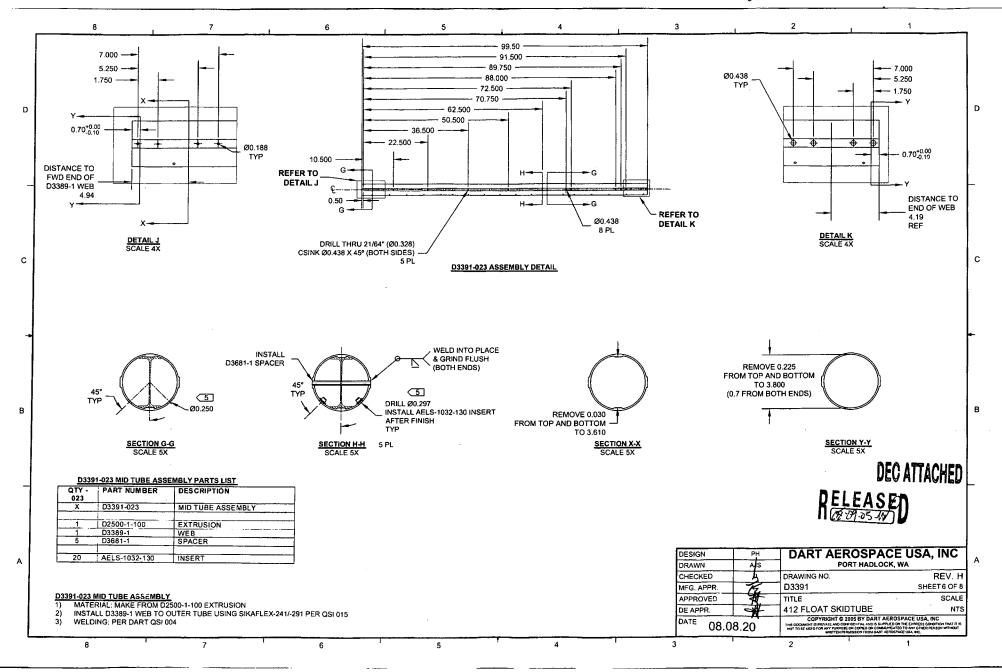
RETURN TO **ENGINEERING** SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER SEAL WITH SIKAFLEX-241/-291 PRIOR TO INSTALLATION OF D ח WEARSHOES MS27039C4-12 SCREW SEAL WITH SIKAFLEX-241/-291 D3391-011 D3672-3 WASHER PRIOR TO INSTALLATION OF FWD TUBE ASSEMBLY D3391-015 AN960C416L WASHER D3391-013 WEARSHOES TRANSFER DRILL THRU AFT TUBE ASSEMBLY MID TUBE ASSEMBLY 4 PL D3391-011 OPEN TO Ø0.438-0.000 8-8-8-8 D3553-3 TRANSFER DRILL THRU GASKET D3391-011 OPEN TO Ø0.499 REF AND INSTALL D3591-1 BUSHING D3566-13 GASKET D3537-7 REF D3566-5 GASKET WEARPAD D3566-1 GASKET D3564-13 REF D3566-1 С WEARSHOE GASKET D3553-1 REF GASKET D3564-3 REF AN3C4A BOLT (1) WEARSHOE AN960C10L WASHER (1) D3537-1 D3564-1 WEARSHOE AN3C6A BOLT AN3C6A BOLT AN3C4A BOLT (1) AN3C6A BOLT (1) D3564-5 AN960C10L WASHER - AN960C10L WASHER AN960C10L WASHER (1) -AN960C10L WASHER (1) WEARSHOE 4 PL 6 PL 2 PL AN3C7A BOLT AN960C10L WASHER 8 PI D3391-041 ASSEMBLY DRAWING UPDATED TO CURRENT STANDARDS. SHT 1 PL ADDED D3591-1 BUSHING. ZN C6 Ø0.438 DIM WAS 4 PL. ADDED Ø0.499 DIM AND D3591-1 BUSHING. 08.08.20 AJS SHT 2 PL ADDED D3591-1 BUSHING. ZN C6 Ø0.438 DIM WAS 4 PL. ADDED Ø0.499 DIM AND D3591-1 BUSHING. (FOR FURTHER INFO SEE DSI 9364 & NCR 08-074) REPLACE NAS INSERTS W/ AELS INSERTS 07.07.31 SWITCH TO D3670-XXXX SPACERS FOR INSTALLING FLOAT BAGS, DWG REORGANIZED FOR CLARITY ADD SS WEARSHOE, GASKET 27.01.18 REMOVE FWD SADDLE HOLE -011/-021 D3391-041 FLOAT SKIDTUBE ASSEMBLY PARTS LIST DESCRIPTION CHANGE TOLERANCE, EASE MANUFACTURE **GENERAL NOTES** PH 06.04.25 UPDATE TOLERANCE, CHANGE HOLE SIZE 06.01.23 CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 FWD TUBE ASSEMBLY LENGTHEN AFT EXTENSION 05.09.27 C POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3 05.06.10 DRAWING UPDATES В SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH 05.02.07 NEW ISSUE AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH Α D3564-3 D3564-5 D3566-1 LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS DESCRIPTION BY DATE REV. OFF POWDER COATING WITH MEK DEGREASER. DART AEROSPACE USA, INC DESIGN PH GASKET TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED Α PORT HADLOCK, WA DRAWN UNITS: INCHES UNLESS OTHERWISE NOTED REV. H CHECKED DRAWING NO. USE DART DRILL TEMPLATE DT8217 TO LOCATE AND DRILL Ø0.297 SIZE HOLES AN3C4A D3391 SHEET 1 OF 8 FOR WEARSHOE INSERTS. C'BORE AS NOTED AND INSTALL INSERTS EXCEPT MFG. APPR AN3C6A AN3C7A AN960C10 APPROVED TITLE SCALE WHERE INDICATED. DE APPR 412 FLOAT SKIDTUBE COPYRIGHT © 2005 BY DART AEROSPACE USA, INC
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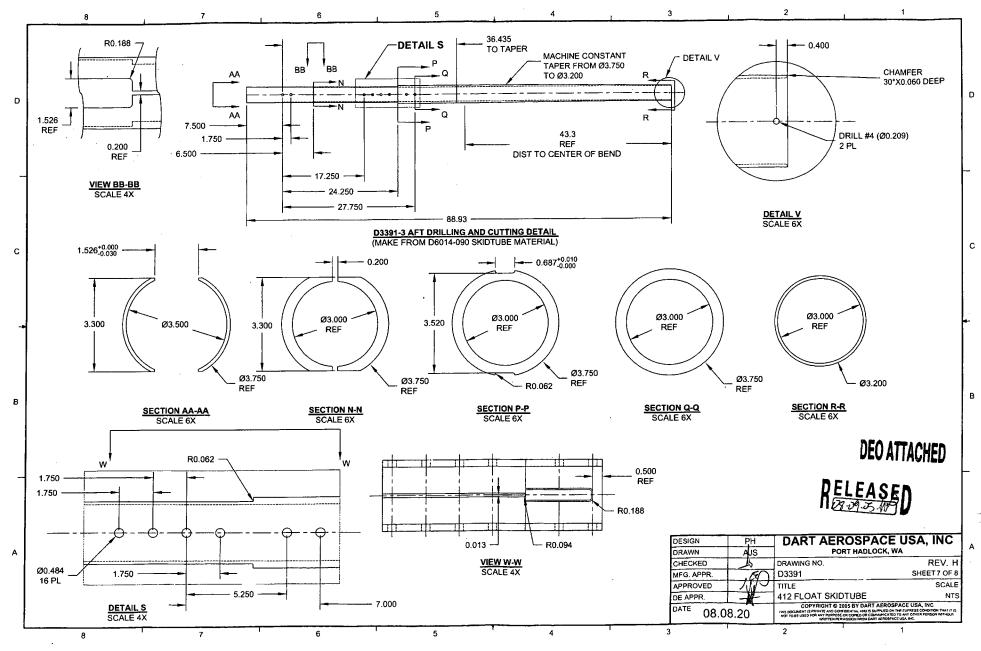
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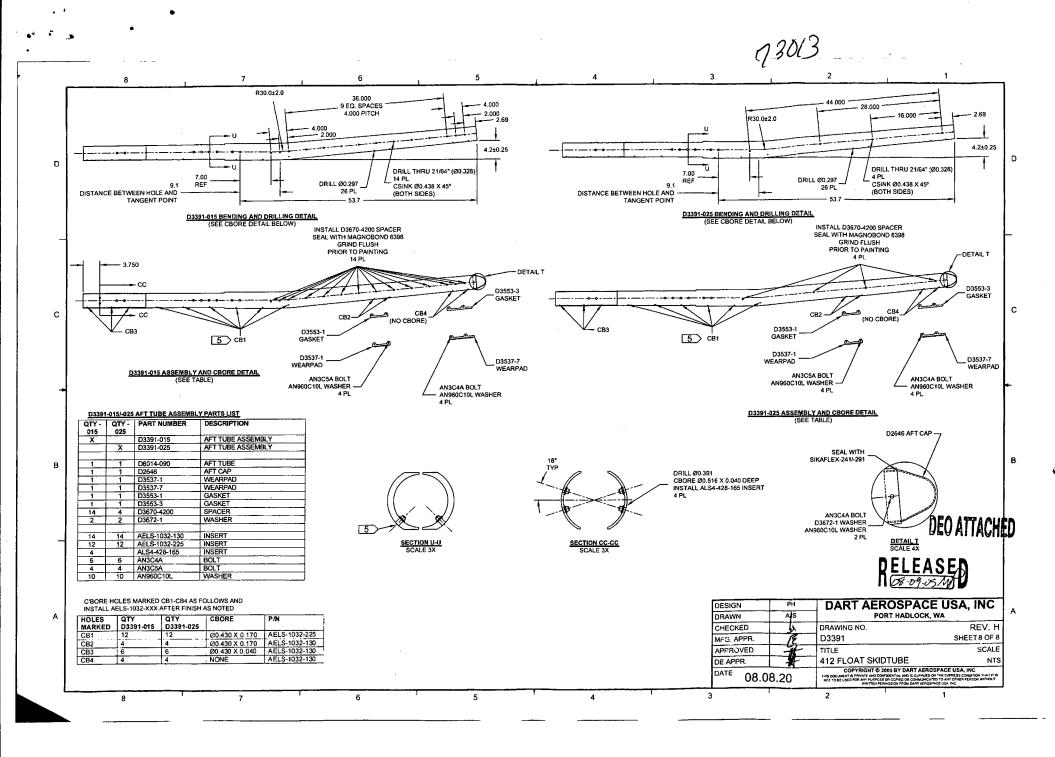












DRAWING N	NO.	TITLE	 .	REV. H	DART AEROS	PACE USA, IN	C D.E.O. NO.	SHEET NO.	SCALE
D3391		412 FLOAT S	SKIDTUBE	,	ENGINEER	RING ORDER	D3391-H-1	SHEET 1 OF 1	NTS
DRAWN	di		CHECKED	4	MFG. APPR.	Δ	APPROVED MAD	DE APPR.	
DATE	09.09.	23	DATE	04.04.24	DATE 09/	09/25	DATE 09/09/30	DATE 09/09	30

PURPOSE:

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF D3391-041/-043 SKIDTUBES.

CHANGE:

AMEND NOTE 2 OF D3391-041/-043 SKIDTUBE ASSEMBLIES (ZN A6-1, A6-2) AS FOLLOWS:

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2) - SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH-AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

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